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SEEDS

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AND

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1956 - 1957

F. W. SCHUMACHER

HORTICULTURIST

SANDWICH, MASS.

Telephone SAGAMORE 659

ASPARAGUS, New Strain, see page 25

TERMS

Deliveries are subject to yield of crops and safe arrival of consignments.

It is not possible to have all items listed available at all times. A number of perishable seeds cannot be stored successfully and must be ordered in season. All seeds are offered subject to crop failures or short supplies.

Seeds are sold without warranty, expressed or implied as to description and productiveness. **Goods** should be carefully inspected upon arrival and claims for conditions made at once. We cannot consider claims after seeds have been stored or planted.

All shipments travel at buyer's risk and claims for damages in transit must be taken up with carriers.

CAUTION — While it is true that plants grown from seed of horticultural varieties often yield superior plant material in comparison to that grown from nondescript seed, we wish to emphasize that seeds of such varieties or hybrids, with few exceptions, cannot be expected to come true to name. They are offered here for the convenience of competent plantsmen, for research and breeding work only.

CUSTOMERS OTHER THAN PROFESSIONALS — please note that their orders for pound lots will be handled in line with all others. Orders for small quantities of assorted items must wait their turn to be filled after arrival of respective items from sources. We suggest that such orders be placed with us prior to March 1st. During the busy spring and fall shipping seasons orders for small amounts of seeds cannot be filled promptly. Please confine correspondence concerning small orders to the most necessary and attach a stamped return envelope if your inquiry does not concern an order. The right is reserved to return orders received in excess of our facilities.

PRICES — subject to change without notice, are f.o.b. Sandwich, Mass.

PAYMENT — for customers of approved credit upon receipt of invoice. A cash discount of 3% is allowed on all orders amounting to \$10.00 or more. For orders or shipments requested for less than \$5.00, please remit \$.50 extra for handling. Please include postal and packing charges in your remittance, 10% for orders in pound lots or over.

ORDERING — We request that written orders be a separate part of any correspondence and clearly show amount and price of each item listed. Quantities smaller than listed cannot be supplied.

CERTIFICATION — See Notes of Interest page.

ABBREVIATION — N. E. stands for New England seed, a sign of hardiness; d.b. for dried berries; d.h. for dried hips; asterisk (*) denotes new or insufficiently known plants of merit; **CERT.** for seeds certified to us as to origin by sources of long standing.

WE ARE IN THE MARKET FOR TREE AND SHRUB SEEDS OF ALL KINDS.

	oz.	¼ lb.	lb.
ABIES <i>alba</i> (<i>pectinata</i>) .....	.45	.70	2.00
<i>amabilis</i> .....	.80	2.30	6.25
<i>balsamea</i> , Lake States .....	.65	1.75	4.75
<i>balsamea</i> , New York State .....	.75	2.00	5.75
<i>cephalonica</i> .....	.50	1.10	3.00
<i>cilicica</i> .....	.50	1.20	3.25
<i>concolor</i> , California (<i>lowiana</i>) .....	.65	1.75	5.00
<i>concolor</i> , Colorado .....	.60	1.65	4.50
<i>firma</i> .....	.50	1.10	3.00
<i>grandis</i> .....	.85	2.35	6.50
<i>homolepis</i> .....	.50	1.40	4.00
<i>lasiocarpa</i> .....	.80	2.20	6.00
<i>magnifica</i> .....	.70	2.00	5.75
<i>mariesi</i> .....	.50	1.10	3.00
<i>nordmanniana</i>, .....	.50	1.20	3.25
<i>pinsapo</i> .....	.45	.90	2.35
<i>pinsapo glauca</i> .....	.50	1.10	3.00
<i>procera</i> (<i>nobilis</i>) .....	.85	2.35	6.50
<i>sachalinensis</i> .....	.70	1.85	5.00
<i>veitchi</i> .....	.50	1.40	4.00
ACACIA <i>armata</i>	1.50	4.50	
<i>baileyana</i> .....	.60	1.65	4.50
<i>cultriformis</i>	1.00	2.70	7.50
<i>cyanophylla</i> .....	.50	.90	2.50
<i>cyclops</i> .....	.60	1.65	4.50
<i>decurrens</i> .....	.50	1.10	3.00
<i>decurrens dealbata</i> .....	.50	1.00	2.75
<i>decurrens dealbata</i> , fast growing cultural selection .....	.65	1.75	5.00
<i>decurrens mollis</i> (<i>mollissima</i>) .....	.40	.85	2.25
<i>farnesiana</i> .....	.50	1.00	2.75
<i>horrida</i> .....	.50	1.25	3.50
<i>longifolia</i> .....	.60	1.65	4.50
<i>melanoxylon</i> .....	.50	1.25	3.50
<i>pycnantha</i> .....	.50	1.30	3.75
<i>retinodes floribunda</i> .....	.60	1.50	4.25
<i>saligna</i> .....	.45	.70	2.00
ACANTHOPANAX <i>spinosus</i>		1.70	4.75
ACER <i>argutum</i> .....	.60	1.65	4.50
<i>campestre</i> .....		.45	.75
<i>carpinifolium</i> .....	.80	2.20	6.00
<i>crataegifolium</i> .....	.55	1.40	4.00
<i>davidi</i>	1.25	3.50	
<i>ginnala</i> .....	.50	1.10	3.00
<i>griseum</i>	1.00	2.80	8.00
<i>japonicum</i> .....	.60	1.50	4.25
<i>monspessulanum</i> .....	.45	.70	2.00
<i>negundo</i> .....		.50	1.00
<i>nikoense</i> .....	.65	1.75	5.00
<i>palmatum</i> , small seeded .....	.50	1.40	4.00
<i>palmatum</i> , from garden specimens .....	.50	1.35	3.75
<i>palmatum atropurpureum</i> .....	.80	2.20	6.00
<i>palmatum atropurpureum dissectum</i>	1.75	4.50	12.00
<i>platanoides</i> .....		.50	1.25
<i>rubrum</i> , Northern crop .....	.70	2.00	

	oz.	¼ lb.	lb.
ACER (continued)			
rufinerve .....	.50	1.40	4.00
saccharum, Eastern .....		.80	2.25
saccharum, Northern .....		.70	2.00
spicatum .....	.60	1.50	4.25
ACTINIDIA arguta	1.25	3.50	
polygama	1.25	3.50	
AILANTHUS altissima (glandulosa) .....			.75
AKEBIA quinata .....	.50	1.10	3.00
lobata .....	.50	1.10	3.00
ALBIZZIA julibrissin .....		.50	1.00
lophanta .....	.50	1.00	2.75
AMELANCHIER alnifolia , d.b. ....	.50	.90	2.50
asiatica, clean		1.65	4.50
canadensis, clean	2.00	6.00	
canadensis, d.b. ....	.65	1.75	5.00
grandiflora, d.b. ....	.85	2.35	6.50
laevis, d.b. ....	.80	2.25	6.25
stolonifera, d.b. ....	.80	2.20	6.00
ovalis (vulgaris), clean .....	.80	2.20	6.00
AMPELOPSIS (see also Parthenocissus) aconitifolia , N.E., d.b.	1.00		
brevipedunculata (heterophylla) clean .....	.50	1.10	3.00
AMORPHA canescens .....	.50	1.25	3.50
fruticosa .....		.50	1.00
microphylla (nana) .....		.50	1.25
ARALIA chinensis		2.25	6.25
elata .....	.65	1.75	5.00
sieboldi, see Fatsia			
spinosa, d.b. ....	.50	1.10	3.00
ARBUTUS unedo , clean	1.00	2.50	
ARCTOSTAPHYLOS glauca .....	.45	1.00	2.75
manzanita, d.b. ....	.50	.80	2.25
urva ursi, clean .....	.60	1.65	4.50
ARDESIA crenulata .....	.65	1.75	5.00
japonica .....	.80	2.20	6.00
ARECASTRUM romanzoffianum (Cocos plumosa)			
250 seeds 1.50 — 1,000 seeds 5.00			
ARISTOLOCHIA tomentosa .....	.50	1.40	4.00
ARONIA arbutifolia , d.b. ....		.90	2.50
arbutifolia brilliantissima, d.b.		1.10	3.00
melanocarpa, clean	2.50	7.00	
melanocarpa, d.b. ....		.65	1.75
prunifolia (atropurpurea), d.b. ....		.90	2.50
ASIMINA triloba .....	.45	.90	2.50
AZALEA albrechtii	1.00	¾ oz.	
arborescens, N. E.	1.00	pkt.	
atlantica .....		.75 pkt.	
calendulacea .....	.65	⅙ oz., 1.50 ¼ oz.	
indica (macrantha) .....		.75 ⅙ oz.	
japonica, imported seed, Japan	1.00	¼ oz.	3.00
japonica, yellow flowered, Japan	1.25	¼ oz.	3.75
japonica, a new England garden strain, yellow and orange colors .....	.75	pkt., 1.25 ⅓ oz.	
kaempferi, (see under obtusa)			

		oz.	¼ lb.	lb.
AZALEA (continued)				
maxwelli, N. E. ....	.50 pkt., 1.50 $\frac{1}{32}$ oz.			
mollis, domestic seed, yellow and orange shades	.75 $\frac{1}{16}$ oz., 1.75 $\frac{1}{4}$ oz.			
mollis, imported	1.00 $\frac{1}{4}$ oz.	3.00		
mucronata (ledifolia alba) white, N. E.				
	.50 pkt., 1.00 $\frac{1}{32}$ oz.			
mucronata amethystina .....	.50 pkt., 1.00 $\frac{1}{32}$ oz.			
mucronulata, N. E. measured packets of about 700 seeds	1.00 pkt., 2.50 $\frac{1}{16}$ oz., 7.50 $\frac{1}{4}$ oz.			
nudiflora .....	.65 $\frac{1}{16}$ oz., 1.50 $\frac{1}{4}$ oz.			
obtusa japonica (kiusiana,) domestic, N. E.....	1.00 pkt.			
obtusa kaempferi, home grown, N.E....	1.00 $\frac{1}{16}$ oz., 3.50 $\frac{1}{4}$ oz.			
obtusa kaempferi, low spreading type, red flowers				
	1.25 $\frac{1}{32}$ oz.			
obtusa kaempferi mikawana .....	.50 pkt.			
pennsylvanica	1.00 pkt.			
pontica .....	.75 $\frac{1}{16}$ oz., 1.75 $\frac{1}{4}$ oz.			
*poukhanensis, N. E.	1.00 $\frac{1}{32}$ oz., 3.00 $\frac{1}{8}$ oz.			
schlippenbachi, Korean strain, N.E....	.75 $\frac{1}{16}$ oz., 1.75 $\frac{1}{4}$ oz.			
vaseyi .....	.75 $\frac{1}{16}$ oz., 1.25 $\frac{1}{4}$ oz.			
viscosa .....	.75 $\frac{1}{16}$ oz., 1.75 $\frac{1}{4}$ oz.			
(See listing of Hybrid varieties on pages 22 & 23.)				
BAUHINIA purpurea .....		.60	1.70	4.75
purpurea alba .....		.65	1.75	5.00
BERBERIS juliana nana, d.b.	1.00 $\frac{1}{4}$ oz.			
thunbergi, clean .....		.60	1.65	4.50
thunbergi, thornless, d.b.		1.00	2.75	
thunbergi atropurpurea, d.b.		1.00	2.75	7.50
BETULA japonica .....		.50	1.15	3.25
lenta .....		.50	1.25	3.50
lutea .....		.50	1.25	3.50
lutea, clean		1.00	2.75	7.50
papyrifera, N. E. ....		.60	1.65	4.50
papyrifera, clean, N. E.		1.25	3.35	9.00
papyrifera minor, N. E. ....	.50 $\frac{1}{4}$ oz.	1.50		
pendula (alba) .....			.50	1.25
pendula (alba), clean .....		.50	.90	2.50
pendula (alba), seed from northern limit, clean.....		.50	1.10	3.00
populifolia .....		.50	1.40	4.00
BROUSSONETIA papyrifera		1.00	2.75	7.50
BUDDLEIA davidi (variabilis) .....		.60	1.50	4.25
davidi, from new garden forms .....	.65 $\frac{1}{4}$ oz.	2.00		
davidi, white .....	.65 $\frac{1}{4}$ oz.	2.00		
japonica .....	.60 $\frac{1}{4}$ oz.	2.00		
BUTIA capitata (Cocos australis) price on request				
BUXUS japonica .....		.75	1.85	5.50
microphylla koreana .....	.90 $\frac{1}{4}$ oz.	2.50		
sempervirens .....		.45	.80	2.25
CALLICARPA dichotoma (purpurea).....		.80	2.25	6.25
japonica .....		.85	2.35	6.50
CALLUNA vulgaris, clean .....	.55 $\frac{1}{4}$ oz.	1.50		
CALYCANTHUS floridus .....		.50	1.10	3.00
occidentalis .....		.50	1.25	3.50

	oz.	¼ lb.	lb.
CAMELLIA japonica , Japan, from wild plants .....	.45	.80	2.25
japonica, from garden specimens, Japanese collection....	.50	.90	2.50
japonica, from garden specimens, European collection....	.50	.90	2.50
reticulata .....	.65	1.75	5.00
sasanqua .....	.50	.90	2.50
CAMPSIS (Bignonia) grandiflora .....	.50	1.20	3.25
radicans .....	.50	1.20	3.25
CARAGANA arborescens .....	.45	.70	2.00
CARPINUS betulus , clean .....		.50	1.25
caroliniana, clean .....	.60	1.50	4.25
cordata .....	.80	2.20	6.00
japonica .....	.65	1.75	5.00
laxiflora .....	.60	1.50	4.25
tschonoski (yedoensis) .....	.65	1.70	4.75
CARYA illinoensis (Pecan) .....			.75
laciniosa per bushel (50 lbs.)	21.00		
ovata per bushel (50 lbs.)	20.00		
CASSIA artemisioides	1.50	4.00	
floribunda	1.75		
tomentosa	1.10	3.00	
CATALPA bignonioides .....		.50	1.20
ovata .....		.60	1.50
speciosa .....	.50	1.00	2.75
CEANOTHUS americanus .....	.80	2.20	6.00
arboreus .....	.60 ¼ oz.	1.50	
arboreus hybrids .....	.60 ¼ oz.	1.50	
cyaneus .....	.60 ¼ oz.	1.65	
griseus horizontalis .....	.50 ¼ oz.	1.25	
integerrimus .....	.60 ¼ oz.	1.25	
megacarpus .....	.60 ¼ oz.	1.50	
olivaceus tomentosus .....	.90 ¼ oz.	2.50	
purpureus .....	.90 ¼ oz.	2.50	
spinosus .....	.60 ¼ oz.	1.50	
thyrsiflorus .....	.50 ¼ oz.	1.25	
verrucosus .....	.60 ¼ oz.	1.50	
CEDRUS atlantica .....	.60	1.50	4.25
atlantica argentea .....	.60	1.65	4.50
atlantica glauca .....	.65	1.70	4.75
deodara .....	.50	1.25	3.50
libani .....	.50	1.30	3.75
CELASTRUS orbiculatus , clean .....	.50	1.10	3.00
scandens, clean .....	.65	1.80	5.25
scandens, d.b. ....		.90	2.50
CELTIS mississippiensis (laevigata) , d.b. ....		.70	2.00
occidentalis, d.b. ....		.65	1.75
CEPHALANTHUS occidentalis , clean .....		.75	2.10
CEPHALOTAXUS drupacea .....		.60	1.50
fortuni .....		.60	1.65
CERATONIA siliqua .....		.45	1.25
CERCIDIPHYLLUM *japonicum	1.00	2.70	7.50
CERCIS canadensis , Northern seed .....	.50	1.15	3.25
canadensis, Southern seed .....	.50	1.00	2.75
chinensis .....	.60	1.50	4.25
occidentalis .....	.50	1.40	4.00
siliquastrum .....		.50	1.20
siliquastrum alba .....	.50	1.00	2.75

	oz.	¼ lb.	lb.
CHAENOMELES lagenaria (Cydonia japonica).....	.65	1.75	5.00
lagenaria pygmaea.....	.50	1.10	3.00
CHAMAECYPARIS lawsoniana.....	.50	.90	2.50
lawsoniana allumi, blue, columnar shaped form.....	.50	1.30	3.75
lawsoniana argentea.....	.50	1.25	3.50
lawsoniana aurea.....	.50	1.15	3.25
lawsoniana pendula glauca.....	.50	1.25	3.50
lawsoniana pyramidalis.....	.50	1.10	3.00
lawsoniana Triumph de Boskoop, choice blue form.....	.50	1.30	3.75
obtusa.....	.50	1.15	3.25
obtusa aurea.....	.60	1.65	4.50
obtusa, garden forms.....	.60	1.65	4.50
pisifera.....	.50	1.35	3.75
pisifera filifera.....	.60	1.50	4.25
pisifera plumosa.....	.65	1.75	5.00
thyoides glauca.....	.90 ¼ oz.	2.50	
CHAMAEROPS humilis.....		.50	1.15
CHIMONANTHUS (Meratia) praecox.....	.40	1.10	3.00
CHIONANTHUS retusus.....	.80	2.20	6.00
virginicus, clean.....	.60	1.65	4.50
CINNAMOMUM camphora.....		.65	1.80
glanduliferum.....		.60	1.50
CLADRASTIS lutea.....	.50	1.30	3.75
platycarpa.....	.50	1.40	4.00
CLEMATIS alpina.....	.75 ¼ oz.		
flammula.....	.50	1.25	3.50
paniculata, imported.....	.60	1.50	4.25
patens.....	1.00	3.00	
virginiana.....	.45	1.10	3.50
vitalba.....	.45	.80	2.25
viticella.....	.50	.90	2.50
CLERODENDRON trichotomum.....	.50	.90	2.50
CLETHRA acuminata d.b.	1.00		
alnifolia, N. E. d.b. ....	.55	1.25	3.50
barbinervis, clean.....	1.00		
fargesii, d.b. ....	.50 pkt.	1.00	
COCCULUS carolinus.....	.45	.70	2.00
COLUTEA arborescens.....		.60	1.50
CORDYLINE (Dracaena) indivisa , clean.....		.90	2.50
CORNUS alba.....	.60	1.65	4.50
amomum, clean.....	.50	1.25	3.50
capitata.....	.45	.70	2.00
controversa.....	.50	1.30	3.75
florida, Southern, clean.....	.50	1.25	3.50
florida, climatic Zone 6, clean.....	.50	1.30	3.75
florida, N. E., Zone 4 or 5, clean.....	.50	1.40	4.00
kousa, clean.....	.50	1.25	3.50
kousa chinensis, N. E.	1.50		
mas, clean.....		.60	1.50
nuttalli, d.b. ....	.50	1.25	3.50
officinalis, clean.....	.50	1.35	3.85
racemosa (paniculata), clean.....	.50	1.10	3.00
racemosa (paniculata) d.b. ....		.60	1.50
sanguinea, clean.....		.50	1.25
stolonifera, d.b. ....		.65	1.75

	oz.	¼ lb.	lb.
CORONILLA emerus .....	.60	1.50	
CORYLOPSIS sinensis, N. E. ....65 ¼ oz.	2.00		
spicata	1.25	3.35	9.00
CORYLUS americana .....		.65	1.65
avellana			1.00
COTINUS coggygia (Rhus cotinus) .....		.65	1.65
COTONEASTER acutifolia, clean	1.25	3.50	10.00
adpressa praecox, d.b.	1.50		
apiculata, d.b.	1.75		
bullata, clean .....	.65	1.75	5.00
bullata floribunda, d.b. ....	.85	2.50	
buxifolia, clean .....	.65	1.75	5.00
dielsiana, clean .....	.80	2.20	6.00
dielsiana elegans, d.b. ....65 ¼ oz.	1.50		
*dielsiana major, clean	1.00	2.70	7.50
divaricata, clean .....	.65	1.70	4.75
foveolata, clean, N. E. better habit and foliage, more disease resistant than either Cot. acutifolia or lucida	.80	2.20	6.00
francheti, clean .....	.60	1.65	4.50
francheti cinerascens, d.b. ....	.75		
horizontalis, clean .....	.60	1.65	4.50
horizontalis perpusilla, d.b. ....45 ¼ oz.	1.25		
integerrima, d.b. ....	.75	2.20	
lindleyi .....	.65	1.70	4.75
*multiflora, d.b. ....	.80	2.20	6.00
*multiflora calocarpa, d.b. ....	.70	2.00	5.75
nitens, d.b. ....	.70	2.00	
pannosa, clean .....	.65	1.65	4.50
racemiflora songarica, d.b.	1.00		
racemiflora veitchi, d.b. ....	.80	2.20	6.00
rosea, d.b. ....60 ¼ oz.	1.50		
salicifolia, clean .....	.65	1.75	5.00
simonsi, clean .....	.65	1.75	5.00
thymifolia, d.b. ....45 ¼ oz.	1.25		
zabeli, d.b. ....	.70	2.00	
CRATAEGUS crus-galli, clean .....	.50	.90	2.50
intricata (coccinea), clean .....	.50	1.00	2.75
mollis, clean .....	.50	1.10	3.00
oxyacantha monogyna .....		.50	1.25
punctata, clean .....	.50	1.25	3.50
CRYPTOMERIA japonica, European seed .....	.50	1.10	3.00
japonica, Oriental seed .....	.50	1.00	2.75
japonica elegans .....	.65	1.75	5.00
japonica lobbi .....	.50	1.40	4.00
CUNNINGHAMIA lanceolata .....	.60	1.50	4.25
CUPRESSUS arizonica (glabra or bonita) domestic seed from pyramid specimens .....	.70	1.85	5.50
arizonica, imported seed, from plants in cultivation ...	.50	1.25	3.50
*forbesi	1.75	4.50	12.00
funnebris .....	.50	1.10	3.00
goveniana .....	.50	1.10	3.00
lusitanica (glauca) .....	.50	.90	2.50
lusitanica benthami .....	.50	1.00	2.75
macrocarpa .....	.60	1.65	4.50
macrocarpa, from garden specimens .....	.65	1.75	5.00

CUPRESSUS (continued)	oz.	¼ lb.	lb.
macrocarpa, from northern sources, British Isles .....	.80	2.20	6.00
macrocarpa glauca .....	.80	2.20	6.00
sempervirens .....		.50	1.35
sempervirens horizontalis .....		.50	1.25
sempervirens stricta .....		.50	1.35
torulosa .....	.50	1.00	2.75
torulosa majestica .....	.50	1.20	3.25
CYCAS revoluta	100 seeds	4.00	
CYDONIA (see also Chaenomeles) oblonga (vulgaris) .....	.70	1.85	5.50
CYTISUS hirsutus .....	.70	2.00	
multiflorus .....	.50	.90	2.50
*multiflorus, White Gem .....	.60 ¼ oz.	1.50	
nigricans .....	.65	1.75	5.00
purpureus .....	.60 ¼ oz.	1.50	
scoparius .....	.35	.60	1.50
scoparius andreanus, yellow with crimson wing .....	.55 ¼ oz.	1.50	4.25
scoparius andreanus hybrids (dallimorei,) vari-colored flowers in pastel shades of yellow, rose and white 1.00 ¼ oz.	2.85		
DALBERGIA sissoo, tropical timber tree to 80 ft. ....	.50	1.40	4.00
DAPHNE, mezereum, clean .....	.50	1.25	3.50
mezereum album, d.b.	1.00		
DEUTZIA scabra (crenata) .....	.50	1.25	3.50
DIOSPYROS kaki .....		.60	1.50
lotus .....		.50	1.25
virginiana .....		.50	1.25
virginiana, northern .....		.60	1.50
virginiana, from trees in cultivation .....		.70	2.00
DISANTHUS cercidifolius	1.00	2.80	8.00
DRACAENA draco, clean .....	.60	1.50	4.25
ELEAGNUS angustifolia, clean .....		.50	1.25
commutata (argentea), clean .....	.50	.80	2.25
multiflora (edulis, longipes), clean .....	.50	1.25	3.50
umbellata, clean .....	.50	1.35	3.75
ELSHOLTZIA stauntoni .....	.75 ½ oz.		
ENKIANTHUS campanulatus, N. E. ....	.60 ⅙ oz., 1.25 ¼ oz.	3.50	
cernuus rubens	1.40 ¼ oz.	4.00	
ERICA carnea, clean .....	.95 ¼ oz.	2.50	
ERIOBOTRYA japonica, please order in spring for summer delivery			3.00
ERYTHRINA corallodendrum 250 seeds 2.50—1,000 seeds 6.50 crista-galli	250 seeds 2.25 — 1,000 seeds 6.00		
EUCALYPTUS botryoides .....	.95	2.50	7.00
camaldulensis (rostrata) .....	.65	1.75	5.00
globulus, clean .....	.65	1.75	5.00
EUONYMUS alatus, clean .....	.50	1.25	3.50
europaeus, clean .....		.70	2.00
europaeus intermedia (fructu coccineo) with bright red fruit, d.b. ....	.50	1.10	3.00
fortunei (radicans) clean .....	.50	1.30	3.75
japonicus, clean		1.10	3.00
oxyphyllus, clean .....	.50	1.10	3.00
*sachalinensis (planipes), N. E., clean	1.00		
sachalinensis, imported		1.85	5.50
EXOCHORDA grandiflora .....	.50	1.40	4.00

	oz.	¼ lb.	lb.
FAGUS sylvatica, Northern Europe .....		.50	1.25
FATSIA japonica (Aralia sieboldi) .....1,000 seeds	2.50		
FIRMINIANA simplex .....		.80	2.25
FRANKLINIA alataamaha .....100 seeds	1.75, 1,000 seeds	11.00	
FRAXINUS americana .....		.50	1.35
excelsior .....		.50	1.00
mandshurica .....	.50	1.10	3.00
nigra .....		.50	2.25
oregona .....	.50	.90	2.50
ornus .....			.75
pennsylvanica lanceolata .....			.85
quadrangulata .....	.50	.90	2.50
FREMONTIA californica .....1.00 ¼ oz.			
mexicana .....70 ¼ oz.	2.00		
GARDENIA jasminoides (florida) .....	.80	2.20	6.00
GENISTA aetnensis .....	.50	1.25	
canariensis .....	.90	2.50	
fragrans	1.10	3.00	
germanica .....	.75		
monosperma .....	.60	1.55	
pilosa .....	.75		
radiata .....	.75		
tinctoria .....	.60	1.65	4.50
GINKGO biloba .....		.70	2.00
GLEDITSIA japonica .....	.50	.90	2.50
sinensis .....	.50	1.00	2.75
triacanthos .....		.50	1.10
triacanthos inermis .....		.60	1.50
GREVILLEA robusta.....	2.50	7.50	23.00
GYMNOCLADUS dioicus .....		.45	.75
HALESIA carolina (tetraptera) .....		.80	2.25
diptera .....	.50	1.10	3.00
monticola .....	.50	.90	2.50
HAMAMELIS japonica .....	.70	1.80	5.25
japonica flavo-purpurascens .....	.85	2.35	6.50
mollis, N. E. ....50 ¼ oz.	1.65	4.50	
vernalis .....60 ¼ oz.	1.50	4.25	
virginiana, Southern .....	.80	2.20	6.00
virginiana, Northern (Zone 4) .....	.80	2.35	6.50
HIBISCUS mutabilis		1.75	5.00
syriacus .....		.50	1.25
syriacus, white flowered .....		.60	1.50
HIPPOPHAE rhamnoides .....		.80	2.25
HOVENIA dulcis .....	.50	1.20	3.25
HYDRANGEA petiolaris .....50 ¼ oz.	1.25		
HYPERICUM frondosum (aureum) .....50 ⅛ oz.			
kalmianum .....75 ¼ oz.			
IDESIA polycarpa .....	.80	2.20	6.00
ILEX aquifolium, clean .....		.65	1.75
aquifolium, from garden varieties .....	.45	.85	2.50
*cornuta, domestic, cleaned and floated .....	.80	2.25	6.00
crenata, clean .....	.50	1.10	3.00
crenata convexa (bullata) N. E., d.b.	1.00		
glabra, d.b. ....		.65	1.75
latifolia .....	.70	2.00	5.75

		oz.	¼ lb.	lb.
ILEX (continued)				
opaca, clean		.80	2.20	6.00
*pedunculosa, clean		.70	1.80	5.25
rotunda		.60	1.50	4.25
serrata (sieboldi), clean		.65	1.70	4.75
verticillata, clean, N. E.		1.00	2.80	8.00
INDIGOFERA dosua	40 ¼ oz.	1.25		
JUBAEA, spectabilis	100 seeds .75, 500 seeds 3.00			
JUGLANS cinerea, N. E.	per bushel (28 lbs.) 7.50			
nigra	per bushel (40 lbs.) 11.00			
sieboldiana			.50	1.25
sieboldiana cordiformis			.50	1.25
JUNIPERUS californica, clean		1.00	2.70	7.50
chinensis, clean		.50	1.50	4.25
chinensis sargentii, clean		.80	2.20	6.00
communis depressa, N. E., d.b.		.50	1.00	2.75
communis depressa, clean		.90	2.50	7.00
communis, upright columnar type, clean		.50	.60	2.00
conferta, (litoralis), clean		1.00	2.50	7.00
*pachyphloea, clean		.85	2.35	6.50
procumbens, clean		.85	2.35	6.50
rigida, clean		.50	1.65	4.50
scopulorum, clean, northern		.60	1.75	5.00
scopulorum, dainty leaved Southern blue form, cleaned and floated		.80	2.20	6.00
virginiana, from plants in cultivation, clean		.50	1.40	4.00
virginiana, Platte River type, clean, failure				
virginiana glauca, clean		.65	1.75	5.00
KALMIA latifolia	.55 ¼ oz.	1.50		
latifolia, New England, from garden specimens	1.00 ¼ oz.	2.50		
latifolia, from native N. E. mountain stock, 1200 ft.	1.00 ¼ oz.	2.75		
KALOPANAX pictus (Acanthopanax ricinifolius)		.60	1.65	4.50
KERRIA japonica		.60	1.40	4.00
KOELREUTERIA paniculata			.60	1.65
KOLKWITZIA amabilis, clean, N. E.		1.70	4.75	
LABURNUM alpinum		.50	.90	2.50
anagyroides (vulgare)		.45	.80	2.25
LAGERSTROEMIA indica, clean		.60	1.65	4.50
LARIX decidua (europaea) Eastern Alps, elev. 3,000-4,200 ft., granite. CERT.		.80	2.20	6.00
decidua, large seeded strain from Western High Alps, 6,000 ft., of late starting and early terminating growth, cold and wind resistant, straight, tall, rapid grower, a good timber tree, a fine ornamental. CERT. failure				
leptolepis		.60	1.75	5.00
LAURUS nobilis, clean			.50	1.25
LESPEDEZA bicolor, clean, domestic seed			.70	2.00
buergeri		.50	1.25	3.50
japonica		.50	1.20	3.25
thunbergi (formosa)		.50	1.20	3.25
LEUCOTHOE catesbaei	1.00 ¼ oz., 2.50 oz.			
LIBOCEDRUS decurrens		.45	.80	2.25
LIGUSTRUM amurense "North Privet", d.b.			.70	2.00
ibota, clean		.45	.80	2.25
japonicum, d.b.		.45	.56	1.75

		oz.	¼ lb.	lb.
LIGUSTRUM (continued)				
lucidum, d.b. ....		.50	1.00	2.75
obtusifolium (ibota of trade), d.b. ....			.70	2.00
ovalifolium, d.b. ....			.50	1.25
sinense ("South" Privet), d.b. ....			.50	1.10
vulgare, clean ....			.70	2.00
LIQUIDAMBAR styraciflua	1.00	2.75	7.50	
LIRIODENDRON tulipifera .....		.50	1.25	
LIVISTONA chinensis (Latania borb.)	1,000 seeds	5.25		
LONICERA caprifolium , clean .....		.65	1.75	5.00
etrusca, clean .....		.65	1.70	4.75
henryi, d.b., N. E. ....	.60 ¼ oz.	1.75		
japonica, clean .....		.80	2.20	6.00
korolkowi zabeli, fine red flowered form, d.b. ....	.50 ¼ oz.	1.50		
maacki podocarpa, d.b., N. E.		1.00		
morrowi, d.b., N. E. ....		.80	2.20	6.00
morrowi, yellow fruited, d.b. ....		.70	2.00	5.50
ruprechtiana, d.b., N. E. ....		.80	2.00	6.00
tatarica, clean .....		.50	1.10	3.00
tatarica wheeleri (red), d.b., N. E.		1.00		
xylostium, clean .....		.70	1.80	5.25
MAACKIA amurensis .....		.50	1.30	3.75
amurensis buergeri			1.25	3.50
MACLURA pomifera .....			.65	1.75
MAGNOLIA denudata (conspicua), d.b. ....		.60	1.40	4.00
grandiflora, clean			1.10	3.00
kobus, clean .....		.60	1.50	4.25
liliflora, d.b. ....		.60	1.40	4.00
obovata (hypoleuca), clean .....		.50	1.25	3.50
soulangeana, d.b. ....		.60	1.40	4.00
stellata .....		.90	2.40	6.75
virginiana (glauca), clean .....		.70	1.85	5.50
MAHONIA aquifolium , failure				
nervosa, d.b. ....		.50	1.10	3.00
MALUS baccata , clean	2.25	6.45	18.00	
baccata, dried pomes		1.00	2.75	
baccata mandshurica, dried pomes		1.10	3.00	
coronaria, clean	1.30	3.60	10.00	
common, Apple for stock — French Cider Crab .....		.50	1.25	
common, Apple for stock — domestic seed .....		.65	1.75	
floribunda	1.75	4.50	12.00	
ioensis, clean	1.35	3.75		
*sargenti, dried pomes, N. E., Free blooming, dwarf orna- mental Crab, true from seed .....	.80	2.20	6.00	
sieboldi, clean	1.25	3.10	8.50	
sieboldi arborescens, d.b., N. E. ....	.50	1.10	3.00	
theifera (hupehensis), dried pomes, handsome small tree, very free blooming, true from seed.....	.50	1.10	3.00	
zumi, clean	1.25	3.10	8.50	
zumi calocarpa, dried pomes .....	.50	.90	2.50	
MELALEUCA leucadendron	1.25	3.25		
MELIA azedarach .....		.70	2.00	
MENISPERMUM canadense .....		.70	2.00	
MESPILUS germanica , clean .....		.70	2.00	

	oz.	¼ lb.	lb.
MORUS alba, clean .....	.50	.90	2.50
alba tatarica, clean .....	.80	2.20	6.00
new midwestern species, tentatively named americana...	1.00	2.50	
nigra, clean .....	.50	1.10	3.00
rubra	1.00		
MYRICA caroliniensis (pennsylvanica) N. E. ....		.70	2.00
MYRTUS communis, clean .....	.70	2.00	5.50
NANDINA domestica, home grown, d.b.		1.00	2.75
domestica, imported, clean .....	.50	1.25	3.50
domestica, white berries, imported, clean .....	.60	1.50	4.25
NYSSA sylvatica, clean .....	.50	1.35	3.75
OLEA europaea .....		.50	1.25
ORIXA japonica .....	.80	2.20	6.00
OSTRYA carpinifolia, clean .....	.60	1.65	4.50
virginiana, clean .....	.80	2.20	6.00
OXYDENDRUM arboreum, clean .....45 ¼ oz.	1.25		
PAEONIA suffruticosa (arborea or moutan), from choice domestic collection	1.40	4.00	11.00
PALIURUS spina-christi (aculeatus), clean .....		.60	1.50
PARKINSONIA aculeata .....	.50	1.25	3.25
PARTHENOCISSUS (Ampelopsis) quinquefolia, clean .....		.65	1.75
tricuspidata (veitchi), clean .....	.45	.80	2.25
PASSIFLORA coerulea .....	.50 ¼ oz.	1.30	3.60 10.00
edulis .....	.50 ¼ oz.	1.25	
incarnata .....	.50 ¼ oz.	1.30	3.60 10.00
PAULOWNIA tomentosa .....	.45	.60	1.50
PHASEOLEUS caracalla .....100 seeds 1.00, 1,000 seeds 6.00			
PHELLODENDRON amurense, clean .....	.55	1.35	3.75
sachalinense .....	.50	1.25	3.50
PHILADELPHUS coronarius, clean .....	.55	1.35	3.75
grandiflorus .....	.50	1.25	3.50
pubescens, vigorous native species .....	.50 ¼ oz.	1.25	
PHOENIX canariensis .....		.50	1.20
dactylifera .....		.80	2.25
reclinata		1,000 seeds	4.00
PHOTINIA glabra, clean		1.75	5.00
villosa, clean .....	.50	1.40	4.00
PHYSOCARPUS opulifolius (Spiraea opul.), Ninebark .....	.80	2.20	6.00
PICEA abies (excelsa), Western Europe, Central Mountains of France (2,700 ft.) fast growing, recommended for seedling growers. CERT. .....	.80	2.20	6.00
abies, from lime stone formations in Austria (1,800-2,400 ft.) CERT. .....	.50	1.40	4.00
abies, Lowland strain, South Sweden, near sea-level, the hardest and most wind-burn resistant strain of the Central European race of Norway Spruce (not the slow growing arctic type), the best best strain for the Northern states and Canada. CERT. .....	.65	1.75	5.00
abies, Harz Mountains, Central Germany, 1,200-1,500 ft., a strain preferred by growers of stock for landscaping., CERT. .....	.65	1.70	4.75
abies, domestic Lake States or New York State, CERT. ...	1.00	2.80	8.00
abies, from slate formations in Switzerland (4,500-4,800 ft.). CERT. .....	.50	1.35	3.75

PICEA (continued)	oz.	¼ lb.	lb.
abies, the best Norway Spruce timber stands and the tallest and largest trees are found in the Boehmerwald region of Europe. A hill-type Spruce fast growing. CERT.	.70	2.00	5.75
breweriana .....1.50 ¼ oz.	6.75	18.00	
engelmanni .....	.80	2.20	6.00
glauca, Lake States or New York State seed	2.00	5.50	15.00
glauca (canadensis) from planted stands near sea-level, Northern Europe, CERT. For seed quality and excellence of stock this strain has found many friends, since we introduced it nearly thirty year ago. CERT.	.50	1.25	3.50
glauca .....		.80	2.25
glauca albertiana	1.40	4.00	11.00
glauca densata (Black Hills)	2.00	5.75	16.00
jezoensis hondoensis	1.00	2.75	7.50
omorika .....1.50 ¼ oz.	6.00		
polita .....	.80	2.20	6.00
pungens	1.25	3.35	9.00
pungens glauca	1.40	4.00	11.00
pungens glauca, seed from Koster's variety	2.50	7.50	
sitchensis, hardy type, Olympic range	1.80	4.75	12.50
PIERIS floribunda, N. E. ....1.50 ¼ oz.	4.50		
japonica, N. E., late fall .....90 ¼ oz.	2.50		
japonica, imported, spring delivery .....65 ¼ oz.	1.50		
PINUS banksiana	100	2.70	7.50
canariensis .....	.60	1.65	4.50
cembra .....		.50	1.25
cembroides edulis .....	.50	1.30	3.75
contorta	1.75	4.50	12.00
contorta latifolia (murrayana)	1.30	3.60	10.00
densiflora .....	.50	1.10	3.00
echinata	2.00	5.20	14.00
flexilis .....	.55	1.40	4.00
griffithi (excelsa) .....	.60	.90	2.50
halepensis .....		.60	1.50
halepensis brutia .....	.45	.90	2.50
jeffreyi .....	.60	1.70	4.75
khasya	1.25	3.60	
koraiensis .....	.50	1.20	3.25
lambertiana .....	.50	1.35	3.75
merkusi	1.25	3.60	
mugo (montana), Lowland seed .....	.50	1.25	3.50
mugo gallica .....	.60	1.50	4.25
mugo mughus, Tyrolean Alps, dwarf type	85	2.35	6.50
mugo pumilio, dwarfest of mugo group from Eastern Alps (limestone). CERT., see page	1.15	3.10	8.50
mugo rostrata (uncinata) European Alps .....	.60	1.50	4.25
monticola	1.00	2.70	7.50
nigra, Hill strain, elev. 900-2,100 ft. from the heart of the Austrian Pine country in Austria. CERT. ....	.50	1.35	3.75
nigra, Central European sources .....	.50	.90	2.50
nigra, from planted stands on sand near sea-level, North-Europe .....	.50	1.25	3.50
parviflora (pentaphylla) .....	.60	1.65	4.50
pinaster (maritima) .....		.60	1.25
pinea .....		.50	1.10

PINUS (continued)			
	oz.	¼ lb.	lb.
<i>ponderosa</i> , British Columbia .....	.50	1.00	2.75
<i>ponderosa</i> , Colorado .....	.60	1.65	4.50
<i>ponderosa</i> , from the timber areas of its maximum development in So. Oregon and California .....	.60	1.65	4.50
<i>ponderosa scopulorum</i> .....	.50	1.25	3.50
<i>pumila</i> .....	.65	1.75	5.00
<i>radiata</i> (<i>insignis</i>) .....	.50	1.10	3.00
<i>resinosa</i> , New York State CERT.	3.50	9.00	24.00
<i>sabiniana</i> .....	.45	.80	2.25
<i>strobus</i> , Lake States. CERT. ....	.80	2.20	6.00
<i>sylvestris</i> , Scotch Pine, for diversity of requirements a choice of strains is offered: See page 26 Pine Lore..			
A. Strains from the plains of Northern Europe.			
Seed from North German Low Plain. CERT.	1.30	3.60	10.00
Seed of West Baltic origin, Sweden. CERT.		5.00	14.00
B. Mountain Strains.			
Seed from Highland forests in France. CERT. ....	.70	1.85	5.50
Seed from Austrian Forests, hill strain. CERT. ....	.85	2.35	6.50
Seed from <i>Rigensis</i> type trees, Northern New York State, Hill Country, elevation, 1,200 ft., CERT.	2.00	5.50	15.00
Seed from North Central Spain, elevation 3,750 ft.	1.00	2.70	7.20
C. Insular isolation has set apart as distinctive for practical purposes the Scotch Pine races indigenous to England. Favorable reports regard them as suitable both for timber and Christmas tree production.			
Seed from government forests in East Anglia, near sea level. CERT.	1.30	3.60	10.00
Seed of the true Scots Pine of Scotland, elevation 100-650 ft. CERT. failure			
<i>taeda</i>	1.25	3.35	9.00
<i>thunbergi</i> .....	.50	1.25	3.50
<i>torreyana</i>	1.00	2.90	8.00
PITTOSPORUM <i>tobira</i> , clean .....	.50	1.10	3.00
PLATANUS <i>occidentalis</i> ..		.50	1.25
<i>orientalis</i> , clean .....		.50	1.25
PLUMBAGO <i>capensis</i> ..		1,000 seeds	3.50
PODOCARPUS <i>macrophylla</i>		1.35	3.75
<i>nagi</i>		1.15	3.25
POINCIANA <i>gilliesi</i>	100 seeds	.75	— 1,000 seeds 4.25
(<i>Delonix</i>) <i>regia</i> .....	.80	2.20	6.00
PONCIRUS (Citrus) <i>trifoliata</i> .....		.50	1.25
PRUNUS <i>americana</i> , Lake States, clean .....		.70	2.00
<i>americana</i> , Prairie States, clean .....		.50	1.25
<i>amygdalo-persica</i> , Hardy Almond, deserves attention for its large pink flowers in early spring.....	.50	1.50	4.50
<i>amygdalus</i> (<i>communis</i>), .....			.75
<i>armeniaca</i> , clean (Apricot) .....			.80
<i>armeniaca ansu</i> , clean, hardy Japanese Apricot, close to <i>mandshurica</i> with better fruit .....			.90
<i>avium</i> , Mazzard, clean .....		.50	1.25
<i>besseyi</i> , clean ..	.60	1.50	4.25
<i>campanulata</i>		1.25	3.50
<i>caroliniana</i> ..		.60	1.50
<i>cerasifera</i> (<i>Myrobolan</i>), clean .....		.50	1.15
<i>grayana</i> ..	.50	1.10	3.00
<i>incisa</i> , clean, imported .....	.60	1.50	4.25

PRUNUS (continued)	oz.	¼ lb.	lb.
incisa, dwarf Mountain strain, small compact tree, d.b.			
N. E.	1.00	3.00	
japonica .....	.50	1.20	3.25
laurocerasus (officinalis), clean ..		.70	2.00
mahaleb		1.00	2.75
maritima, clean N. E. ...	.50	1.25	3.50
maximowiczii .....	.80	2.20	6.00
mume, clean .....		.50	1.25
mume var. Bungo, red flowered .....	.50	.90	3.50
nipponica, close to incisa, flowers twice larger .....	.85	2.35	6.50
nipponica kurilensis, flowers still larger .....	.85	2.40	6.75
padus, clean imported .....	.50	1.10	3.00
salicina (triflora) .....		.45	.95
*sargentii (serrulata sachalinensis) clean .....	.50	1.25	3.50
*sargentii, red flowered .....	.50	1.40	4.00
serotina, clean .....		.60	1.50
serotina, d.b. N. E. ....		.50	1.10
serrulata, clean .....	.50	.90	2.50
serrulata albida (speciosa), white .....	.60	1.65	4.50
serrulata, from double flowered specimens .....	.60	1.65	4.50
spinosa, clean .....		.50	1.50
subhirtella, clean .....	.50	1.00	2.75
subhirtella ascendens .....	.75	2.15	
subhirtella pendula, clean .....	.50	1.10	3.00
tomentosa, domestic, clean	1.00		
tomentosa, imported .....	.50	.80	2.25
virginiana, clean .....		.65	1.75
*yedoensis .....	.50	.90	2.50
PSEUDOLARIX amabilis (kaempferi) .....	.55	1.20	3.25
PSEUDOTSUGA taxifolia, caesia, Interior strain, Montana- Idaho - British Columbia.	1.40	4.00	11.00
taxifolia glauca, Colorado strain	1.85	5.00	14.00
taxifolia viridis, Coast form, Oregon-Washington. CERT.	1.75	4.50	12.00
PTELEA trifoliata .....		.50	1.25
PUERARIA thunbergiana .....	.45	.70	2.00
PYRACANTHA coccinea, clean .....	.50	.80	2.25
coccinea lalandi, clean ..	.50	1.00	2.75
PYRUS common pear, domestic seed .....	.50	1.25	3.50
common pear, French imported .....	.75	1.95	5.50
pyrifolia (serotina) .....	.80	2.20	6.00
ussuriensis .....	.90	3.40	6.75
QUERCUS palustris — not less than 5 lbs. sold .....			.70
RHAMNUS californica, d.b. ....	.50	1.10	3.00
cathartica, clean .....	.50	.90	2.50
davurica, clean .....	.50	1.35	3.75
frangula, d.b.		1.10	3.00
purshiana, clean .....	.55	1.25	3.50
RHODODENDRON — Items marked (*) are supplied to us in selfed (hand-pollinated) seeds of northern origin by noted expert. Packets as offered contain several hundred seeds.			
*adenogynum .....	.75 pkt.,	1.25 ½ oz.	
arboreum, blood red ..	1.25 ½ oz.		
arboreum, mixed shades .....	.50 ¼ oz.		

RHODODENDRON (continued)

		oz.	¼ lb.	lb.
auriculatum	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
calophytum	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
*caloxanthum	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
*campanulatum	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
cantabile	.....1.00 pkt.			
carolinianum, N. E.	.....1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.			
carolinianum, blush	.....50 pkt.			
carolinianum, white	.....50 pkt.			
catawbiense	.....95 $\frac{1}{4}$ oz.	2.85		
catawbiense compactum, N. E.	.....1.25 $\frac{1}{16}$ oz.			
caucasicum	.....50 pkt.			
cerasinum	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
*chartophyllum	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
*concinnum	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
croceum, N. E.	.....75 pkt.			
*decorum	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
diaprepes	.....1.00 $\frac{1}{32}$ oz.			
discolor	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
eximium	.....50 pkt.			
*fargesii	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
ferrugineum	.....50 pkt., 1.00 $\frac{1}{8}$ oz.			
fortunei, a hardy strain, N. E.	.....1.00 $\frac{1}{32}$ oz., 3.00 $\frac{1}{8}$ oz.			
fulvum	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
griersonianum	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
hippophaeoides	.....50 pkt.			
hirsutum	.....50 pkt., 1.00 $\frac{1}{8}$ oz.			
leucaspis	.....1.00 pkt.			
macabeum	.....1.00 pkt.			
maximum, N. E.	.....1.00 $\frac{1}{4}$ oz.	3.50		
*neriiflorum	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
orbiculare	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
oreotrephes	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
ponticum, Northern Europe	.....90 $\frac{1}{4}$ oz.	2.50		
praevernium, N. E.	.....75 pkt.			
*pseudoyanthinum	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
racemosum	.....50 pkt., 1.00 $\frac{1}{32}$ oz.			
smirnowi	.....50 pkt., 1.25 $\frac{1}{32}$ oz.			
*souliei	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
*sutchuenense	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
tephropeplum	.....50 pkt., 1.00 oz.			
*thomsoni	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
*vernicosum	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
*wardi	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
williamsianum	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			
*yunnanense	.....75 pkt., 1.25 $\frac{1}{32}$ oz.			

RHODODENDRON HYBRIDS: see listing on page 23.

RHODOTYPOS scandens (kerriodes)	.....	.50	1.35	3.85
RHUS canadensis , (aromatica), clean	.....	.65	1.75	5.00
copallina, d.b.	.....		.60	1.50
glabra, d.b.	.....		.65	1.75
trilobata, clean	.....	.50	1.25	3.50
typhina, d.b.	.....		.45	1.00
ROBINIA hispida fertilis	.....	1.30	3.60	10.00
pseudoacacia, imported seed (the Eastern U. S. strain)	.....		.50	1.25
pseudoacacia, domestic seed, Idaho strain	.....		.70	2.00
pseudoacacia inermis	.....	.50	.90	2.50

	oz.	¼ lb.	lb.
ROSA <i>arkansana</i> , clean .....	.80	2.20	6.00
<i>blanda</i> , clean .....	.60	1.65	4.50
<i>canina</i> , clean .....		.50	1.10
<i>carolina</i> (<i>humilis</i>) d.h. ....	.50	1.25	3.50
<i>eglanteria</i> (<i>rubiginosa</i>), clean ..		.80	2.25
<i>hugonis</i> , d.h.	1.50		
<i>multiflora</i> , thornless, clean .....	.50	1.10	3.00
<i>multiflora</i> , thorny, domestic seed .....	.60	1.60	4.50
<i>multiflora</i> , thorny, clean, imported .....	.60	.90	2.50
<i>palustris</i> , d.h. ....	.50	1.25	3.50
<i>polyantha nana multiflora</i> .....70 ¼ oz.	2.00		
<i>primula</i> , d.h.	1.00	2.75	
<i>rubrifolia</i> , N. E., d.h.	1.50		
<i>rugosa</i> , clean .....	.50	1.00	2.75
<i>rugosa</i> , deep red selection, N. E., clean .....	.70	2.00	
<i>rugosa</i> , white, N. E., clean .....	.60	1.65	
<i>setigera</i> , d.h. ....		.70	2.00
<i>setigera</i> , clean .....	.65	1.75	5.00
<i>spinosissima</i> , clean .....	.80	2.20	6.00
<i>virginiana</i> (<i>lucida</i>), d.h.	1.50	.90	2.50
<i>wichuraiana</i> , clean .....	.50	1.00	2.75
<i>xanthina spontanea</i> , d.h. ....70 ¼ oz.	2.00		
RUSCUS <i>aculeatus</i> , clean .....	.50	.90	2.50
SAMBUCUS <i>canadensis</i> , clean .....	.50	1.20	3.25
<i>nigra</i> , clean .....		.60	1.50
<i>racemosa</i> , clean .....	.50	1.00	2.75
SAPINDUS <i>drummondii</i> .....	.50	.90	2.50
<i>mukorossi</i> .....	.50	1.00	2.75
SASSAFRAS <i>albidum</i> (<i>varifolium</i>) .....	.50	1.10	3.00
SCHINUS <i>molle</i> .....		.65	1.75
<i>terebinthifolius</i> .....		.90	2.50
SCHIZOLOBIUM <i>parahybum</i> (<i>excelsum</i>), tall (to 100 ft.), fast growing, tropical timber and ornamental tree, large fernlike foliage, masses of flowers in large golden sprays.	1.75	4.50	12.00
SCHIZOPHRAGMA <i>hydrangeoides</i>	1.00	2.50	
SCIADOPITYS <i>verticillata</i> .....	.90	2.40	6.75
SEQUOIA <i>gigantea</i> , from high elevations, 6,500-7,000 ft. <i>sempervirens</i> , California seed only	2.85	8.00	22.00
SHEPHERDIA <i>argentea</i> , d.b.	1.75	4.50	12.00
SMILAX (see also <i>Asparagus</i>) <i>rotundifolia</i> , d.b. ....	.50	.90	2.50
SOPHORA <i>japonica</i> .....		.70	2.00
<i>japonica</i> , seed from <i>pendula</i> form .....		.60	1.40
SORBUS <i>alnifolia</i> (<i>Micromeles aln.</i>), clean .....		.65	1.75
<i>americana</i> , d.b.	1.30	3.60	10.00
<i>aria</i> , clean .....	.50	1.10	3.00
<i>aucuparia</i> , imported, clean .....	.80	2.20	6.00
<i>aucuparia</i> , domestic, d.b., N. E. ....	.70	1.80	5.25
<i>commixta</i> , d.b., N. E. ....		.90	2.50
<i>domestica</i> , clean .....	.50	1.10	3.00
<i>torminalis</i> , clean	1.25	3.50	10.00
SPARTIUM <i>junceum</i> .....	.85	2.35	6.50
STAPHYLEA <i>bumalda</i> .....		.60	1.50
<i>trifolia</i> .....	.50	1.25	3.50
	.50	.90	2.50

	oz.	¼ lb.	lb.
STEWARTIA monadelpha , N. E.	1.15 ¼ oz.	3.00	
koreana , N. E.	1.40 ¼ oz.	4.00	
pseudocamellia , imported		1.00	3.00
serrata , N. E.	1.10 ¼ oz.		
STYRAX japonica .....	.50	.85	2.50
obassia .....	.50	1.25	3.50
SYMPHORICARPUS albus (racemosus)	1.00	2.75	
orbiculatus (vulgaris), d.b. ....		.90	2.50
SYMPLOCOS paniculata , conspicuous in flower (white) and fruit (bright blue) .....	.50	1.35	3.75
SYRINGA amurensis , N. E.	1.50		
amurensis japonica , N. E.	1.50		
amurensis japonica , imported		3.60	10.00
henryi (villosa & josikaea)	1.75	4.50	
josikaea	1.75	4.50	
pekinensis , N. E.	1.50		
prestonae (reflexa x villosa)	1.75		
villosa	1.75	4.50	12.00
villosa rosea	1.75	4.50	
vulgaris .....	.50	1.10	3.00
vulgaris alba .....	.70	1.80	5.25
TAMARIX gallica .....		.70	2.00
TAXODIUM distichum .....		.60	1.50
distichum , clean .....		.90	2.50
TAXUS baccata .....	.45	.80	2.25
baccata erecta , N. E.	1.20	3.25	
baccata stricta (fastigiata) .....	.50	1.00	2.85
cuspidata , N. E.	1.30	3.60	10.00
cuspidata , seed from Japan (the so-called capitata form) .....	.50	1.10	3.00
cuspidata nana .....	.65	1.75	5.00
media hicksi , N. E.	1.30	3.60	10.00
THEA (Camellia) sinensis .....		.60	1.50
THUJA occidentalis	1.00	2.50	7.00
occidentalis , Northeastern or Lake States	1.15	3.10	8.50
occidentalis pyramidalis , N. E.	2.00	5.00	
orientalis .....		.60	1.50
orientalis , New England seed .....	.50	1.25	3.50
orientalis , from select pyramids, N. E. ....	.80	2.25	
orientalis aurea .....	.5	.90	2.50
orientalis aurea nana .....	.50	1.25	3.50
orientalis compacta (nana) .....	.45	.80	2.25
orientalis pyramidalis .....	.45	.80	2.25
plicata , Oregon	1.75	4.50	12.00
plicata , from Garden specimens	1.00	2.70	7.50
TILIA americana , Lake States .....		.60	1.50
americana , New England .....		.70	2.00
cordata .....		.65	1.65
japonica .....	.50	1.25	3.50
platyphyllos .....		.50	1.25
tomentosa .....		.50	1.25
TRACHYCARPUS excelsus (fortunei) .....		.60	1.50
TSUGA canadensis , Northern crop. CERT. please inquire ...			
caroliniana	2.60	7.20	20.00
diversifolia	1.25	3.30	9.00
heterophylla	2.60	7.20	20.00
mertensiana	2.80	8.00	22.00
sieboldi	1.15	3.10	8.50

	oz.	¼ lb.	lb.
ULEX <i>europæus</i> .....	.50	1.10	3.00
<i>europæus nanus</i> .....	.75	2.00	
ULMUS <i>americana</i>			1.50
<i>glabra</i> (<i>montana</i>), Scotch Elm, spring 1957 .....		.90	2.50
<i>procera</i> (<i>campestris</i>), English Elm, spring 1957 .....		.90	2.50
<i>pumila</i> .....		.90	2.50
<i>pumila</i> , wings removed		1.35	3.75
VACCINIUM <i>corymbosum</i> , d.b.	1.10	3.00	
<i>corymbosum</i> , d.b., from large fruited cultivated named varieties .....	.90	2.50	
VIBURNUM <i>acerifolium</i> , d.b. ....	.50	1.00	2.75
<i>alnifolium</i> , d.b. ....	.50	1.25	3.50
<i>burkwoodi</i> .....	.75 ¼ oz.	2.00	
<i>carlesi</i> , d.b., N. E. ....	.75 ¼ oz.	2.00	
<i>carlesi</i> hybrids, forms intermediate between <i>carlesi</i> and <i>bitchiuense</i> , d.b. ....	.75 ¼ oz.	2.00	
<i>cassinoides</i> , d.b. ....	.50	1.25	3.50
<i>dentatum</i> , d.b. ....		.70	2.00
<i>dentatum</i> , clean .....	.55	1.40	4.00
<i>*dilatatum</i> , clean .....	.50	1.25	3.25
<i>lantana</i> , clean .....	.45	.70	2.00
<i>lantana rugosum</i> , d.b., attractive foliage, large showy clusters of fruit .....	.60	1.50	4.25
<i>lantanaphyllum</i> (<i>lantana</i> x <i>rhytidophyllum</i>) .....50 ¼ oz.	1.50		
<i>lentago</i> , clean .....	.50	1.25	3.50
<i>odoratissimum</i> , clean .....	.50	1.25	3.50
<i>opulus</i> , clean .....	.50	1.25	3.25
<i>prunifolium</i> , clean .....	.60	1.50	4.25
<i>rhytidophyllum</i> , d.b. ....	.50	1.35	3.75
<i>sargentii</i> , clean .....	.50	1.25	3.50
<i>setigerum</i> (<i>theiferum</i>) <i>aurantiacum</i> , clean, N. E., with conspicuous orange-red fruit	1.50		
<i>sieboldi</i> , clean		1.65	4.50
<i>tinus</i> , clean .....		.75	2.00
<i>tomentosum</i>		1.65	4.50
<i>trilobum</i> (<i>americanum</i>) .....	.80	2.20	6.00
<i>wrightii</i> , clean imported .....	.60	1.65	4.50
<i>wrightii</i> , from grafted specimens, N. E., clean	1.00	2.75	
VITEX <i>agnus-castus</i> .....		.70	2.00
VITIS <i>coignetiae</i> .....	.60	1.10	3.00
<i>riparia</i> (<i>odorata</i>) the true, hardy Riverbank Grape, with fragrant flowers and sweet, very early ripening fruit .....		.90	2.50
WASHINGTONIA <i>filifera</i> .....		.90	2.50
<i>robusta</i>		1.00	2.75
WEIGELA , garden varieties	1.00		
WISTERIA <i>floribunda</i> (<i>multijuga</i>) blue .....	.50	1.10	3.00
<i>floribunda</i> , blue, domestic, N. E. ....100 seeds	1.50		
<i>floribunda rosea</i> , domestic, N. E. ....100 seeds	2.00		
<i>frutescens</i> .....	.50	1.25	3.50
<i>sinensis</i> , blue .....	.50	.80	2.25
<i>sinensis</i> , white .....	.50	1.20	3.25
<i>sinensis</i> , blue, domestic, N. E. ....100 seeds	1.25		
XANTHOCERAS <i>sorbifolium</i> .....	.60	1.50	4.25
ZELKOVA <i>serrata</i>		1.10	3.00
ZIZYPHUS <i>jujuba</i> , clean		1.10	3.00

SEEDS — HERBACEOUS PERENNIALS — MISCELLANEOUS

		oz.	¼ lb.	lb.
ACHILLEA filipendula, Parker's variety .....	.50 ¼ oz.	1.50		
ACONITUM fischeri .....	.90 ¼ oz.			
napellus .....	.40 ¼ oz.	.75	2.75	
ALYSSUM saxatile compactum .....	.30 ¼ oz.	.75	2.75	
saxatile compactum, home grown, extra compact selection		1.25	3.00	
ANCHUSA italica Dropmore, Gentian Blue .....		.45	1.10	3.25
myosotidiflora	1.25 ¼ oz.			
ANTHEMIS kelway, yellow .....		.40	1.25	
tinctoria, golden orange .....	.35 ¼ oz.	.90		
AQUILEGIA Longspurred Blue Shades, home grown strain perfected by years of selective breeding, plants 3 to 4 feet high with huge flowers .....	.75 ½ oz.	6.00		
Longspurred Crimson Star .....	.55 ½ oz.	3.00		
Longspurred Hybrids in mixture, choicest domestic strain, claimed by prominent grower superior to any, many unusual shades .....	.60 ½ oz.	5.50		
Longspurred Hybrids, Mrs. Scott Elliotts' .....	.55 ¼ oz.	1.50		
ARABIS alpina, dwarf Snow Cap variety .....	.35 ½ oz.	1.50		
alpina, giant flowered, early .....	.30 ¼ oz.	.60	1.50	
ARMERIA formosa hybrids .....	.45 ¼ oz.	1.00		
ASCLEPIAS tuberosa .....	.55 ¼ oz.	1.50		
ASPARAGUS asparagoides, Smilax of Florists .....	.50 ¼ oz.	1.25		
plumosus nanus		1.25	3.75	
plumosus robustus		1.75	5.25	
sprengeri		1.00	2.80	8.00
ASTER alpinus, lg. flwd. Hybrids .....	.45 ¼ oz.	1.25		
ATROPA belladonna .....	.35 ¼ oz.	.90		
AUBRIETIA leichtlini, Carmine rose .....	.55 ¼ oz.	1.50		
purpurea, clear purple .....	.45 ¼ oz.	1.35		
Large Flowered Hybrids .....	.45 ¼ oz.	1.35		
BAPTISIA australis .....	.30 ¼ oz.	.85	2.70	7.50
CAMPANULA carpatica, blue, white or mixed, each .....	.35 ¼ oz.	.80		
persicifolia, white blue or mixed — each .....	.50 ¼ oz.	1.25		
Telham Beauty .....	.45 ½ oz.	1.55		
CARNATION , hardy, early dwarf Vienna, white, rose, salmon rose, brickred, or mixed, each .....	.75 ¼ oz.	2.50		
Hardy Grenadin, Bright scarlet, King of the Blacks, Rose Queen, Pure White, Yellow Queen, each .....	.75 ¼ oz.	2.25		
Grenadin, choicest mixed .....	.60 ¼ oz.	2.00		
Simons' Triumph, hardy C. choice double blend .35 ⅙ oz., .75 ¼ oz.				
Teicher's, fine large flowered hardy strain, wide range of colors .....	.55 ⅙ oz., 1.50 ¼ oz.			
Teicher's Scarlet .....	.65 ⅙ oz., 1.75 ¼ oz.			
CERASTIUM tomentosum .....	.30 ¼ oz.	.65		
CHEIRANTHUS allioni A. Orange, B. Golden Bedder, each .....	.40	.70	2.00	
CHRYSANTHEMUM Shasta Daisy, Alaska .....	.35 ¼ oz.	.60		
Snowdrift, giant flowered .....	.40 ¼ oz.	.85		
May Queen, earliest large flowered .....	.35 ¼ oz.	.60		
CHRYSANTHEMUM , true fall flowering Chrys. Early flowering, single, mixed .....	.75 ¼ oz.			
Early flowering, double, mixed .....	.75 ¼ oz.			
Korean Hybrids .....	.50 pkt., 1.25 ½ oz.			
CLEMATIS recta .....	.35 ¼ oz.	.75		
CONVALLARIA majalis .....	.35 ¼ oz.	1.00		

		oz.	¼ lb.	lb.
CYCLAMEN coum	1.10 $\frac{1}{16}$ oz.			
europaeum .....	.80 $\frac{1}{16}$ oz.			
neapolitanum .....	.75 $\frac{1}{16}$ oz.			
DELPHINIUM Belladonna Improved .....	.50 $\frac{1}{16}$ oz., 1.00 $\frac{1}{4}$ oz.			
Bellamosum Improved .....	.50 $\frac{1}{16}$ oz., 1.00 $\frac{1}{4}$ oz.			
Cardinale .....	.60 $\frac{1}{4}$ oz.	2.00		
Gold Medal Hybrids, High quality improved strain, American grown from Pacific Giants seed primarily	.50. $\frac{1}{16}$ oz., 1.25 $\frac{1}{4}$ oz.	3.00		
Lamartine .....	.50 $\frac{1}{16}$ oz., 1.00 $\frac{1}{4}$ oz.	3.50		
Pacific Giants, strictly American grown				
Astolat series, novel pink shades with dark bee	1.00 $\frac{1}{16}$ oz., 2.75 $\frac{1}{4}$ oz.			
Black Knight, dark blue.....	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.			
Blue Bird, clear medium blue, white bee	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.			
Blue Jay, brilliat medium clear blue, dark bee	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.			
Cameliard, pure lavender, white bee	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.			
Galahad, glistening white, very large flowers (to 3 inches).....	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.			
Guinevere, light pink-lavender, white bee	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.			
King Arthur, brilliant dark violet, white bee	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.			
Lancelot, clear lilac self.....	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.			
Percival, white black bee.....	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.			
Summer Skies, clear light blue.....	1.00 $\frac{1}{16}$ oz., 2.50 $\frac{1}{4}$ oz.			
Pacific Giants, formula mixture of above varieties	.75 $\frac{1}{16}$ oz., 1.75 $\frac{1}{4}$ oz.			
DIANTHUS deltoides erecta, bright red.....	.55 $\frac{1}{4}$ oz.	1.50		
plumarius, Mayflower, early dwarf double.....	.65 $\frac{1}{4}$ oz.	1.75		
plumarius, semperflorens, Spring Beauty, double.....	.55 $\frac{1}{4}$ oz.	2.00		
plumarius, dwarf double.....	.45 $\frac{1}{4}$ oz.	1.25		
DICENTRA eximia.....	.55 $\frac{1}{4}$ oz.	2.00		
DICTAMNUS fraxinella rosea.....	.35 $\frac{1}{4}$ oz.	.80	2.50	
DIGITALIS Shirley, best variety, large flowered, spotted	.25 $\frac{1}{4}$ oz.	.50		
purple .....	.25 $\frac{1}{4}$ oz.	.50		
white .....	.25 $\frac{1}{4}$ oz.	.50		
yellow .....	.25 $\frac{1}{4}$ oz.	.60		
DORONICUM caucasicum magnificum	1.25 $\frac{1}{4}$ oz.			
ECHINOPS rito .....		.45		
GYPSOPHILA paniculata, white .....	.35 $\frac{1}{4}$ oz.	.75	2.00	
paniculata, Double Snow Flake .....	.70 $\frac{1}{4}$ oz.	2.10		
repens, rose or white .....	.35 $\frac{1}{4}$ oz.	.90		
HELIANTHEMUM mutabile .....	.40 $\frac{1}{4}$ oz.	1.00		
HELLEBORUS niger .....	.50 $\frac{1}{4}$ oz.	1.30	3.60	10.00
HIBISCUS moscheutos (palustris) N. E., true, native Rose- Mallow, pink and rose .....		.50	1.50	4.50

	oz.	¼ lb.	lb.
IBERIS sempervirens , Candytuft .....	.75 ¼ oz.	2.10	
IRIS kaempferi , large flowered .....	.45 ¼ oz.	1.10	3.50
Lathyrus latifolius , Rose, N. E. ....	.40 ¼ oz.	1.00	
latifolius, White Pearl, N. E. ....	.40 ¼ oz.	1.00	
LAVANDULA vera (true Lavender) .....	.55 ¼ oz.	1.50	4.50
LINUM narbonense , Heavenly Blue .....	.50 ⅛ oz.		
LUPINUS arboreus , Golden Spire .....	.75		
perennis, N. E. ....	.90 ¼ oz.	2.50	
polyphyllus, Blue .....	.30	.60	2.25
Carmine King, carmine red .....	.40	1.00	3.00
Rose .....	.40	1.00	3.00
Rose and White (moerheimi), free blooming, fine compact habit .....	.30 ¼ oz.	.55	1.50
Salmon Shades .....	.40	1.00	3.00
Skyblue (coelestinus) .....	.40	1.00	3.00
Violet (atroviolaceus) .....	.40	1.00	3.00
White .....	.40	1.00	3.00
Yellow Shades, true from seed .....	.50	1.25	3.00
Mixed Colors .....	.35	.90	2.75
English Hybrids, Art Shades of many colors .40 ¼ oz.	.80	2.10	
Russell Hybrids, home grown, N. E. ....	.40 ¼ oz.	1.00	3.00
Russell Hybrids, imported seed .....	.60	1.80	5.25
LYCHNIS chalcedonica .....	.60	1.75	4.75
viscaria splendens .....	.50	1.50	
MIMOSA pudica .....	.60	2.15	
NEPETA mussini .....	.45 ¼ oz.	.75	
PAEONIA officinalis .....	.45	1.25	
peregrina .....	.45	1.00	
PAPAVER nudicaule , Brilliancy, giant flwd., organ..85 ¼ oz.	.85 ¼ oz.		
nudicaule, Cardinal, deep red .....	.85 ¼ oz.		
nudicaule, Sanford's Giant strain .....	.55 ¼ oz.	1.50	
orientale, stiff stemmed bracteata type .....	.40 ⅛ oz.		
orientale Hybrid varieties .....	.40 ⅛ oz.		
PHYSALIS francheti , Giant Lanterns .....	.40 ¼ oz.	1.00	
PRIMULA auricula .....	.65 ⅛ oz.		
japonica .....	.60 ⅛ oz.		
veris, Blue Shades .....	.85 ⅛ oz.		
Giant Mahogany, mahogany-crimson .....	.75 ⅛ oz.		
Giant Munstead, light shades .....	.65 ⅛ oz.		
Large flowered, Border Mixture .....	.65 ⅛ oz.		
Gold Laced .....	.50 ⅛ oz.		
Golden Yellow .....	.50 ⅛ oz.		
Lutea, bright Yellow .....	.50 ⅛ oz.		
Ruby Red .....	.50 ⅛ oz.		
White .....	.50 ⅛ oz.		
Teicher's Colossal strain, giant flowered, wide range of colors .....	.75 ⅛ oz.		
PYRETHRUM , Giant Flowered, double	1.25 ¼ oz.	3.50	
James Kelway, bright vermilion red, yellow center .....	.65 ¼ oz.	1.75	
Langport Scarlet, large, single, dark crimson, scarlet .....	.75 ¼ oz.	2.25	

		oz.	¼ lb.	lb.
PYRETHRUM (continued)				
Robinson's Giants, mixture .....	.65 ¼ oz.	1.75		
Robinson's Dark Carmine .....	.65 ¼ oz.	1.75		
Robinson's Dark Carmine .....	.65 ¼ oz.	1.75		
SAPONARIA ocymoides .....	.40 ¼ oz.	.75		
SCABIOSA caucasica goldingensis, deep lavender.....	.75 ¼ oz.	2.25		
caucasica, House's strain .....	.75 ¼ oz.	2.25		
caucasica perfecta .....	.75 ¼ oz.	2.25		
THERMOPSIS caroliniana .....	.45 ¼ oz.	1.00	2.75	
THYMUS serpyllum .....	.45 ⅛ oz.	2.25		
vulgaris .....	.35 ⅛ oz.	1.25		
TRIFOLIUM repens atropurpureum, N. E. ....	.50 ⅛ oz.			
TRITOMA semperflorens, early hybrids .....	.50 ¼ oz.	1.25		
uvaria grandiflora .....	.45 ¼ oz.	1.00		
TROLLIUS europaeus, lemon yellow .....	.55 ¼ oz.	1.25		
Orange Globe, dark yellow .....	.35 ⅛ oz., .85 ¼ oz.			
Ledebouri, dark orange .....	.35 ⅛ oz., .85 ¼ oz.			
YUCCA filamentosa .....	.45 ¼ oz.	1.10	3.00	
ZOYSIA japonica, promising new Turf Grass from Japan		1.10	3.00	

AZALEA HYBRIDS

If exclusively taken from this section please have your order amount to at least \$3.00. Packets as offered contain several hundred seeds.

AZALEA — Deciduous:

Altaclarensis (mollis x viscosa) orange yellow, blotched
.75 pkt., 2.00 ⅛ oz.

Embley Hybrids — a parallel development of the Exbury
Hybrids — all colors, shades of yellow, pink, red
1.50 pkt., 2.50 ⅜ oz.

Embley Apricot, apricot pink
1.50 pkt., 2.50 ⅜ oz.

Ghent Hybrids, all colors1.25 ⅛ oz., 3.75 ¼ oz.

Exbury Hybrids, choice race, a separate development of
Knaphill Hybrids, all colors1.50 pkt., 2.50 ⅜ oz.

Knaphill Hybrids, the result of prolonged breeding, inter-
crossing mollis, pontica (ghent), calendulacea and
occidentalis strains ..1.50 pkt., 2.50 ⅜ oz., 7.50 ⅛ oz.

Mollis Hybrids (mollis x japonica)

All — .85 pkt., 1.25 ⅜ oz., 3.50 ⅛ oz.

Koster's Brilliant Red, glossy orange red

Lemonora, apricot, center rose

oz. $\frac{1}{4}$ lb. lb.**AZALEA HYBRIDS** (continued)Mrs. Oliver Slocock, rich orange-yellow, suffused
terra-cotta

Robespierre, orange-red

Mollis Hybrids, from choice collection of named
varieties.....1.25 $\frac{1}{16}$ oz., 3.00 $\frac{1}{4}$ oz.**AZALEA — Evergreen** (New England grown):Hinodegiri.....1.00 $\frac{1}{32}$ oz.Hinodegiri x mucronata (ledifolia), vigorous, free bloom-
ing Hybrids......75 pkt., 1.50 $\frac{1}{32}$ oz.

indica (macrantha), garden varieties, N. E.....1.00 pkt.

"indica" (Indica Hybrids of Florists).....75 $\frac{1}{16}$ oz., 1.65 $\frac{1}{4}$ oz. 4.50Indica Hybrid x mucronata, large lavender flowers
1.00 pkt.

Maxwelli x scabra, large flowered, red.....1.00 pkt.

Obtusa arnoldiana (obt. amoena x obt. kaempferi)

Cardinalis, deep red1.00 pkt., 2.00 $\frac{1}{32}$ oz.Pink and Rose shades75 pkt., 1.50 $\frac{1}{32}$ oz.Obtusa kaempferi x mucronata (ledifolia), Hazel Dawson,
large flowered reddish-violet.....1.00 pkt.Obtusa kaempferi hybrids, of kaempferi x malvatica and
kaempferi x hinodegiri parentage, hardy and free
blooming race in shades of pink and rose, light
purple, red and mixed each.75 pkt., 1.25 $\frac{1}{32}$ oz., 3.50 $\frac{1}{8}$ oz.

Also White.....1.00 pkt.

Obtusa kurume, from named varieties.....75 pkt.

Sanderi Hybrids, strain offered is of apparent obtusa
kaempferi x indica (macrantha) parentage, very free
blooming, resembling and succeeding the "Malvatica"
Hybrids.Rose and Salmon shades.....1.00 pkt., 2.00 $\frac{1}{32}$ oz.Scarlet1.00 pkt., 2.00 $\frac{1}{32}$ oz.**RHODODENDRON HYBRIDS**

All packet lots offered contain several hundred seeds.

A. AMERICAN (NEW ENGLAND) GROWN:Britannia x fortunei, from a group of selected plants,
habit medium, fairly compact, colors, pink and rose
shades.....1.00 pkt., 2.75 $\frac{1}{8}$ oz.**Catawbiense Hybrids**Seed from album elegans, selections, tall and fast
growing, quite true from seeds in shades of white
and blush.....1.00 $\frac{1}{32}$ oz., 3.00 $\frac{1}{8}$ oz.Pink and rose shades.....1.00 $\frac{1}{16}$ oz., 3.00 $\frac{1}{4}$ oz.Seed from red flowered plants.....1.25 $\frac{1}{16}$ oz., 3.75 $\frac{1}{4}$ oz.Mixed seeds.....1.00 $\frac{1}{16}$ oz., 2.75 $\frac{1}{4}$ oz.Catawbiense Red flowered Hybrids x Fortunei, seed
from Red Flowered selections with bright foliage,
medium habit.....1.00 pkt., 2.50 $\frac{1}{32}$ oz.Catawbiense x Maximum (Wellesleyanum)......50 $\frac{1}{32}$ oz.

Decorum x Mrs. C. S. Sargent.....1.00 pkt.

Discolor Hybrids.....1.00 pkt.

Discolor x Griersonianum.....1.00 pkt.

Fortunei x Haematodes.....1.00 pkt.

RHODODENDRON HYBRIDS (continued)

Fortunei x Hardy Hybrids , free blooming selections, low, compact habit	1.00 pkt.
Fortunei x Hardy Hybrids , tall, rose flowered selection of extreme hardiness, being pollen sterile. Seed produced is the result of hand pollination with red flowered hybrids. Seedlings all will show the hybrid vigor of F. generation	1.00 pkt., 2.50 $\frac{1}{32}$ oz.
Fortunei x Hardy Hybrids , all types	1.00 pkt., 2.00 $\frac{1}{32}$ oz.
Smirnowi x Hardy Hybrids	1.00 $\frac{1}{32}$ oz.

B. Selection of **Popular Varieties** as grown by **English nurserymen**. All are time tested and valued for their hardiness, good, foliage, full flower trusses, ability to stand exposure:

Varieties each	1.25 $\frac{1}{32}$ oz., 3.75 $\frac{1}{8}$ oz.
Alice, rose pink	
Ascot Brilliant, deep crimson	
Bagshot Ruby, blood-crimson	
Beauty of Littleworth (griffith hyb.), white	
Britannia, bright crimson, red	
Corona, coral pink	
Doncaster, scarlet crimson	
Earl of Athlone, bright blood-red	
Goldsworth Pink, pink	
Iveryanum, scarlet	
Jersey Cream, creamy yellow	
J. J. De Vink, glowing crimson	
Lady Clementine Mitford, peach pink, deeper margin	
Lady Primrose, lemon yellow, red spots	
Loder's White, pale mauve passing to pure white, large trusses	
Madame de Bruin, cerise red	
Meg Merillies, creamy white, shaded yellow and apricot	
Mother of Pearl, blush turning snow-white	
Mrs. A. R. Bide, deep pink, with brown-crimson ray	
Pink Pearl, rose-pink	
Queen Wilhelmina, large luminous cerise red	
Rose Perfection, deep rose shaded glowing crimson	
White Queen, pure white	
Williamsianum Hybrids	
Yellow Loderi, yellow	
Blend of all varieties	2.00 $\frac{1}{16}$ oz., 6.00 $\frac{1}{4}$ oz.

C. **RHODODENDRON HYBRIDS** as listed in **Rhododendron Stud Book** of the Royal Horticultural Society. Most all of recent origin, some classical hybrids of long standing. Seeding material of outstanding vigor and brightness may be expected from all of these.

Unless priced otherwise — Packets	1.00 each, 1.50 $\frac{1}{32}$ oz.
Albatross (Loderi x discolor), tall growing, large leaved, large trusses, white to shell pink.	
Aurora (Kewense x thomsoni)	
Azor (gries. x discolor), soft salmon pink trumpet	
Bowbells (Corona x williamsonianum)	

oz. ¼ lb. lb.

RHODODENDRON HYBRIDS (continued)

- Cornish Cross** (thoms. x griff.), superb foliage, large crimson trusses
- Cupid** (griff. x Luscombei)
- Exminster** (thomsoni x campylocarpum) form offered is the natural Hybrid
- Fireball** (barbatum x Ascot Brilliant), bright red
- Gill's Triumph** (arb. x griff.)
- Goldsworth Yellow** (caucas. x campyl.), apricot changing to yellow
- Isabella** (griff. x auric.), large fragrant white
- Kewense** (griffithianum x discolor)
- Lady Bessborough** (disc. x campyl. elatum), vigorous shrub, creamy yellow-orange, pink-maroon blotch
- Lodauric** (Loderi x auricul.), large grower, huge trumpets, white, fragrant late
- Loderi** (griff. x fort.)
- Variant King George**, pink buds opening white
- Variant Venus**, white, pink, flushed
- Variant White Diamond**, clear blush
- Luscombei** (fort. x thoms.), large pink, excellent foliage
- Mrs. Kingsmill** (Penjerrik, A. M. var.) (campyl. el. x griff.) yellow
- Pink Shell** (griff. x H. M. Ardene), rose-pink
- Polar Bear**, (diaprepes x auric.), magnificent late flowering giant, large white trusses**2.00 pkt.**
- Queen o' the May** (Pink Bell x griers), excellent white
- Rosabel** (Pink Shell x grier.), large pale pink, darker veins
- Shilsoni** (thoms. x barb.), deep crimson red
- Snow Queen** (griff. x maximum x Loderi), pure white
- Souldis** ,(soulei x disc.), large trusses, white bell shaped flowers
- Tally Ho** (griers. x eriogynum,) bright vermillion
- Blend of Stud Book varieties****2.50 ⅙ oz., 7.50 ¼ oz.**

ASPARAGUS Waltham Washington, 20 years of breeding and selection by Mass., Waltham Field Station produced a strain of superior stooling capacity and short top growth, resulting in 25% increased production over old strains.

6.00

DAVIDIA INVOLUCRATA seed is likely to be available this season, please inquire.

SEEDLING GROWERS' REFERENCE

Austrian Pine	see	<i>Pinus nigra</i>
Red Pine	see	<i>Pinus resinosa</i>
Scotch Pine	see	<i>Pinus sylvestris</i>
White Pine	see	<i>Pinus strobus</i>
Black Hills Spruce	see	<i>Picea glauca densata</i>
Blue Spruce	see	<i>Picea pungens glauca</i>
Norway Spruce	see	<i>Picea abies</i>
White Spruce	see	<i>Picea glauca</i>
Douglas Fir, Blue	see	<i>Pseudotsuga taxifolia glauca</i>
Douglas Fir, Gray	see	<i>Pseudotsuga taxifolia caesia</i>
Hemlock	see	<i>Tsuga</i>

PINE LORE

With many growers confused as to what strains of Scotch Pine to plant we feel competent in giving the following suggestions:

Practically all strains are, for some condition or other, suitable both for forest planting, i.e., timber production and for use as ornamentals or Christmas trees.

In general two major races of Scotch Pine concern us here:

Strains from Northern Europe growing on the sandy plains which stretch from the coast of Belgium and Holland all the way east to, and around, the shores of the Baltic Sea. They are considered good strains for reforestation, grow comparatively fast, but usually have the objectionable feature of foliage discoloration with the approach of cold weather. They all do best on deep, sandy soils. If planted on better soils plants have a tendency to "overeat," grow to fast and are prone to fall prey to disease and insect infestations. As an exception as to winter color the Pine strain of the North German low plain warrants attention.

The **Mountain Strains** from various origins in Europe usually growing on stony soils are better adapted for all around planting. It is from these strains that best results can be expected for use as Christmas trees. Grown on sandy soils plants from these strains may require feeding to show best foliage color.

SCOTCH PINE — Seed from Highlands Forest in France (formerly offered as green strain — Western Europe), elevation 2,700-3,600 feet has been the preferred choice of Christmas Tree growers for many years. It keeps its color well, is short needled, fairly fast growing and of bushy habit, much used for wind-breaks, shelter planting, landscaping. Its wood, reported to qualify with that from northern strains, warrants a trial for timber production on stony loam soils. 86,000 seeds per pound.**

SCOTCH PINE — Seed from Austrian Forests, a hill strain, elevation 1,400 feet, green needles, straight stems, small 78,500 seeds per pound. This strain, in some sections is preferred to the former. It ranks second in choice for Christmas tree production.

SCOTCH PINE — Seed from North German Low Plain. This strain has lately come to the attention of Christmas tree growers for its ability to do well on sand. Trees about twenty years old, on our own land, have shown only the slightest of foliage discoloration during the cold months in comparison to definite yellowing of Riga strain (Latvia) trees. Color, somewhat more intense than with the latter, is a bright-bluish green. Needles are from 2½-3 inches long, a trifle wider and heavier in texture than those of the 2-2¼ inches long of the Riga strain. Bud count shows, as a rule, five well developed side buds around the terminal. Seasonable increase is moderate, little in excess of Riga strain trees. We will supply certified seed from selected stands, collected under supervision of state foresters.

SCOTCH PINE — The West Baltic Strain from the East Coast of Sweden is somewhat different from the East Baltic or Riga strains which it surpasses in rate of annual increase. This is possibly the best strain for timber and

** Seed counts as given here are approximate, weather conditions causing variations from year to year

planting in the North. 90,000 seeds per pound. Seedlings are unusually resistant to adverse conditions.

PINUS MUGO (MONTANA) — which is much planted on mountain slopes and steep banks to stop erosion, rock and snow slides, is of equal value for stopping wind erosion on dune lands in coastal districts. Closely planted it will form, in time, impenetrable thickets, a barrier to wind-blown sand, a refuge for wild life.

PINUS MUGO PUMILIO — Shrubby Swiss Pine as indicated by its form name Pumilio i.e. Dwarf, is the smallest of the Mountain Pines. Seed, certified as to origin, comes, we are assured, from pure stands at high altitude, 4,300-4,800 feet, without presence of trees of the Tree Swiss Pine (rostrata) to influence the dwarf habit by cross-pollination.

PSEUDOTSUGA TAXIFOLIA (douglasi) CAESIA — The gray Douglas Fir is considered to be a form intermediate between the green Pacific Coast and the blue Rocky Mountain varieties which it surpasses in rate of seasonal increase. As an ornamental it is preferred to the Rocky Mountain type in sections where trees of the latter are affected with premature dying of lower branches. It is much used as a Christmas tree either cut from the wild or nursery grown. Originating in interior sections with drought conditions in summer and severe cold weather in winter it is entirely hardy in the north, reported thriving in cultivation in Finland. We take pride in the fact of having been the first seed-house in the states to list and describe this tree a good many years ago.

DORMANCY IN SEEDS OF PINE, SPRUCE, OTHER CONIFERS — Failure to germinate promptly certain conifer seeds is often due to the fact that no consideration had been given to dormancy factors. Seeds most usually concerned are: — White Spruce, White Pine, other Pines of the Cembra, Flexilis and Strobis groups.

In Fir (*Abies*), Hemlock (*Tsuga*), Douglas Fir (*Pseudotsuga*), Larch (*Larix*), Sitka Spruce dormancy occurrence is variable with dormancy found in some lots and none in others.

In Blue Spruce (*Picea pungens*) fifty percent of seed are dormant, the other half fast germinating.

Late spring planting of all of the before mentioned is apt to result in total failure or partial germination only. Fall planting of some, early spring planting for others or pre-treatment (stratification) of seed lots will be required for best results. Growers are requested: —

- A. To consult reference books for these problems.
- B. For earliest spring planting to prepare their beds in the fall, not to touch bed surface at sowing time but to dress with dry peatmoss, sow and cover with peatmoss and shades. Boarding-in of beds will facilitate this procedure.

BOOKS

General information as to how and when to plant, as often requested, cannot be given in letter form.

Purchase of suitable books along these lines, we believe, is the best initial investment a beginner can make toward success in his endeavor.

Books No. 11 & 14 can be especially recommended.

1. **AZALEAS, KINDS AND CULTURE** By HAROLD HUME
Complete treatise covering selection, propagation, soil and soil preparation, planting, cultivation and care of these beautiful shrubs. Book is lavishly illustrated with 68 prints and eight color plates 199 pages **\$5.00**
Books by Alfred C. Hottes—General information, propagation included, about Trees, Shrubs and Perennials:
2. **THE BOOK OF TREES** — 448 pages — 200 illustrations . . . **\$4.00**
3. **BOOK OF SHRUBS** — 448 pages — 191 illustrations . . . **\$4.00**
4. **BOOK OF PERENNIALS** — 280 pages — 103 illustrations . . **\$2.75**
5. **CULTIVATED CONIFERS IN NORTH AMERICA** By DR. L. H. BAILEY
404 pages, 48 full page photos, 114 line drawings. Approximately 1000 conifers (species and varieties together) propagation, care, diseases, protection **\$13.50**
6. **FLORIST CROP PRODUCTION AND MARKETING**
By KENNETH POST, Ph.D.
The application of scientific facts to the production and marketing of florist cut-flowers, potted plants and bulbs grown in the greenhouse or in the field. 906 pages, profusely illustrated **\$10.00**
7. **HANDBOOK OF THE TREES OF THE NORTHERN STATES AND CANADA** By ROMEYN B. HOUGH
417 pages, 498 photographs showing trunk, leaves, twigs and fruits of each tree **\$6.75**
8. **HORTUS SECOND** By L. H. and ETHEL ZOE BAILEY
A concise dictionary of Gardening and General Horticulture. Apart from general information invaluable as a plant directory alone **\$7.50**
9. **MANUAL OF CULTIVATED TREES AND SHRUBS**
By ALFRED REHDER
The best reference book available giving detailed description of every hardy tree and shrub in cultivation. 966 pages. **\$12.50**

BOOKS

10. MODERN ROSES IV

McFARLAND

Compiled by J. Horace McFarland Co., and the American Rose Society. Rose Species described by Dr. George H. M. Lawrence of Bailey Hortorium, Cornell University.

Here is the latest edition of the rose directory consulted by rosarians for more than twenty years. The book is not limited to Modern roses in a strict sense, but also included varieties that are of historical or botanical importance. Straightforward, non-technical descriptions of 6,150 Roses including 300 species. Here you will find: —

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Described as the first and only practical book on the cultivation of wild flowers, with full information on where to find them, how to identify them positively, how to transplant and propagate

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14. "WOODY-PLANT SEED MANUAL" — with many illustrations and tables. The best new publication in a generation for those who are concerned with the intricate subject of knowledge and treatment of seeds of woody plants comes from the U. S. Department of Agriculture.

Prepared by the Forest Service — Miscellaneous Publication No. 654, for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D.C. Please do not order from us.

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